

ABSTRACT

Method of replacing a blind flange manhole cover of the type including a bolted on blind flange mounted on a bolting flange of a negative pressure storage tank manway with a manhole cover having a hinged door assembly includes the step of removing the blind flange manhole cover from the bolting flange of a tank-installed manway. The manhole cover may be attached to the bolting flange of the existing manway. A seal may be provided for creating a leakproof joint between the cover and a cover receiving surface when the hingedly attached manhole cover is in a closed position. A manway having a hingedly attached manhole cover may be provided with a hinge frame. A locking assembly may be provided adjacent the cover that includes a locking and sealing element for engaging the cover with a seal for locking and sealing the manway.